

IN THE CLAIMS:

1-32. (Canceled)

33. **(Currently Amended)** A downhole deflector tool which is movably insertable into a borehole for selectively opening and closing a lateral borehole extending from a primary borehole, the downhole tool comprising: a body incorporating a wall provided with an opening extending therethrough; a hollow tubular deflector member slidably mounted in the body and having a deflecting surface for deflecting, in use, downhole equipment laterally within the body, the deflector member being slidable between an open position, in which the deflecting surface is located adjacent and facing towards said body opening so that, in use, downhole equipment laterally deflected by the deflecting surface is directed through said body opening, and a closed position, in which the deflector member is oriented relative to said body opening so as to prevent downhole equipment from being laterally deflected through said body opening during use; and constraining means for restricting movement of the deflector member relative to the body.

34. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein the constraining means comprises a pin and groove arrangement, in which at least one pin is secured to one of the body and deflector member for locating in the groove defined in the other of the body and deflector member.

35. **(Previously Presented)** A downhole tool as claimed in claim 34, wherein the pin and groove arrangement is such that the deflector member must move axially between two different closed positions before being able to move axially to the open position.

36. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein the constraining means comprises a shoulder defined by the body and against which the deflector member abuts when in the open position.

37. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein the bore hollow interior of the deflector member comprises first and second portions, the first portion having a larger diameter than the second portion, and wherein the deflecting surface is defined on that portion of the deflector member which defines the second portion of the hollow interior.

38. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein sealing means are provided between the body and the deflector member so that, when in the closed position, fluid located exteriorly of the body is prevented from flowing into the bore of the deflector member.

39. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein, in the closed position, the deflecting surface of the deflector member faces diametrically away from said opening.

40. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein, in the closed position, said opening is completely covered by the deflector member.

41. **(Previously Presented)** A downhole tool as claimed in claim 33, wherein, in the closed position, the deflecting surface is axially spaced from said opening.

42. **(Previously Presented)** A method of using a downhole deflector tool which includes a body incorporating a wall provided with an opening extending therethrough; a hollow tubular deflector member slidably mounted in the body and having a deflecting surface for deflecting, in use, downhole equipment laterally within the body, the deflector member being slidable between an open position, in which the deflecting surface is located adjacent and facing towards said body opening so that, in use, downhole equipment laterally deflected by the deflecting surface is directed through said body opening, and a closed position, in which the deflector member is oriented relative to said body opening so as to prevent downhole equipment from being laterally deflected through said body opening during use; and constraining means for restricting movement of the deflector member relative to the body; the method comprising the steps of running said tool down a primary borehole, aligning said opening of said tool body with a lateral borehole extending

from said primary borehole, and selectively moving said deflector member between said open and closed positions.

43. **(Previously Presented)** A downhole tool as claimed in claim 33 and a downhole manipulation tool comprising a generally cylindrical body having a bore axially extending therethrough and a vent aperture laterally extending therethrough so as to allow fluid communication between the bore of the manipulation tool and the exterior thereof; the manipulation tool further comprising a piston movable within the bore of the manipulation tool between a first position, in which the vent aperture is closed, and a second position, in which the vent aperture is open and the bore of the manipulation tool is blocked so that, in use, all fluid flowing through the bore of the manipulation tool is directed through the vent aperture.

44. **(Previously Presented)** Apparatus as claimed in claim 43, wherein the bore of the deflector member is provided with a circumferential groove and the body of the manipulation tool is provided with a collet for engaging with said circumferential groove.

45. **(Previously Presented)** A method of using (1) a downhole deflector tool which includes a body opening and closing a lateral borehole extending from a primary borehole, incorporating a wall provided with an opening extending therethrough; a hollow tubular deflector member slidably mounted in the body and having a deflecting surface for

deflecting, in use, downhole equipment laterally within the body, the deflector member being slidable between an open position, in which the deflecting surface is located adjacent and facing towards said body opening so that, in use, downhole equipment laterally deflected by the deflecting surface is directed through said body opening, and a closed position, in which the deflector member is oriented relative to said body opening so as to prevent downhole equipment from being laterally deflected through said body opening during use; and constraining means for restricting movement of the deflector member relative to the body, and (2) a downhole manipulation tool which includes a generally cylindrical body having a bore axially extending therethrough and a vent aperture laterally extending therethrough so as to allow fluid communication between the bore of the manipulation tool and the exterior thereof; the manipulation tool further comprising a piston movable within the bore of the manipulation tool between a first position, in which the vent aperture is closed, and a second position, in which the vent aperture is open and the bore of the manipulation tool is blocked so that, in use, all fluid flowing through the bore of the manipulation tool is directed through the vent aperture; the method comprising the steps of running the downhole deflector tool down a primary borehole, aligning said opening of the body of the downhole deflector tool with a lateral borehole extending from said primary borehole, running the downhole manipulation tool down said primary borehole, and applying fluid pressure

to the manipulation tool so as to move the piston of the manipulation tool from the first position to the second position whilst the body of the manipulation tool is engaged with the deflector member of the downhole deflector tool.

46. **(Previously Presented)** A method as claimed in claim 45, wherein the downhole manipulation tool is run down said primary borehole whilst engaged with the downhole deflector tool.

47. **(Currently Amended)** A downhole deflector member comprising a cylinder having a window provided in a side thereof and having a ramp defined on an interior surface thereof for deflecting, in use, downhole equipment through said window; wherein a bore extends longitudinally through the deflector member so as to allow, in use, the passage of downhole equipment through the deflector member without deflection by said ramp; and wherein a portion of said bore ~~located~~ which extends uphole from a base of said ramp has a larger diameter than a remainder of said bore, said remainder of said bore being located both uphole and downhole of said portion of said bore.

48. **(Canceled)**